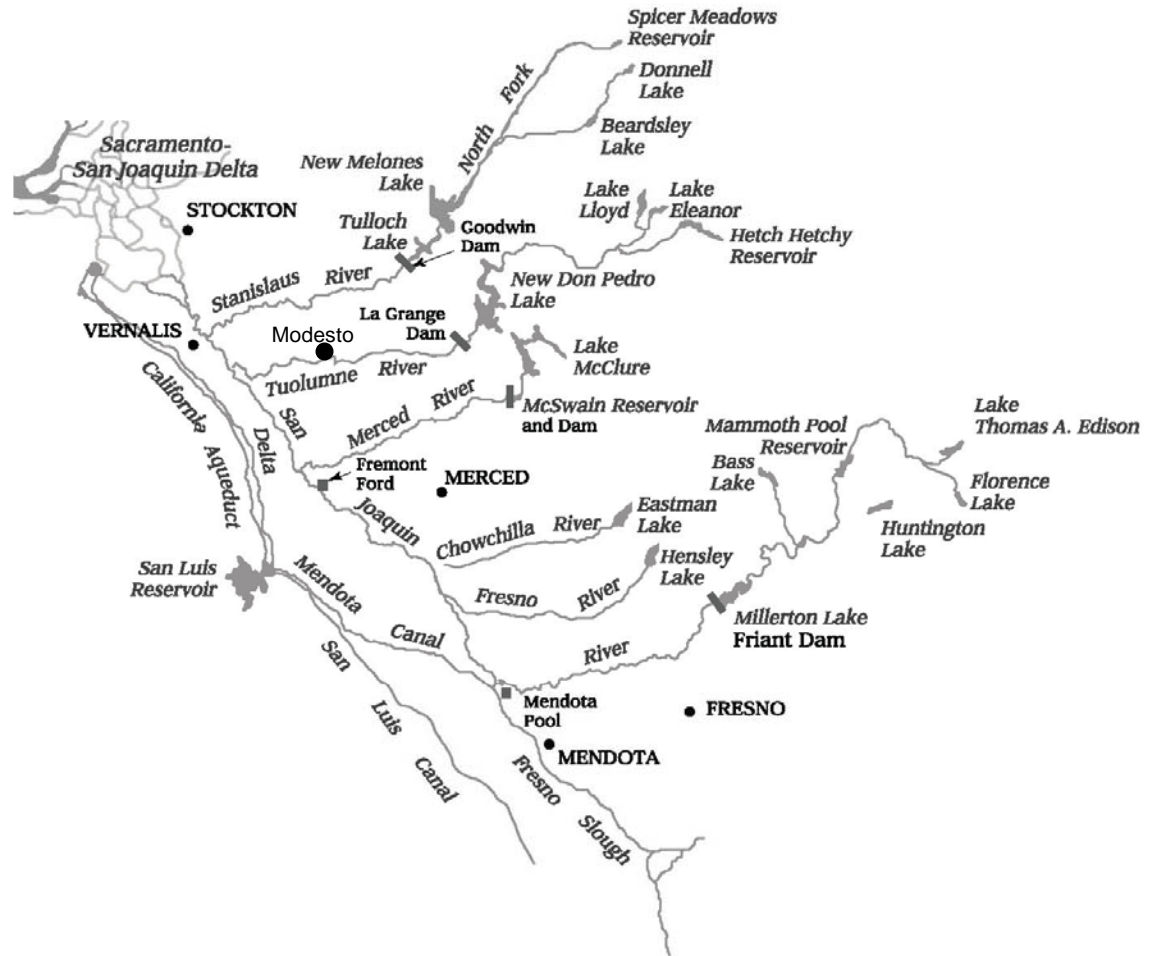


# Reclamation Board Briefing

**January 26, 2006**

San Joaquin River  
Hydraulic Considerations

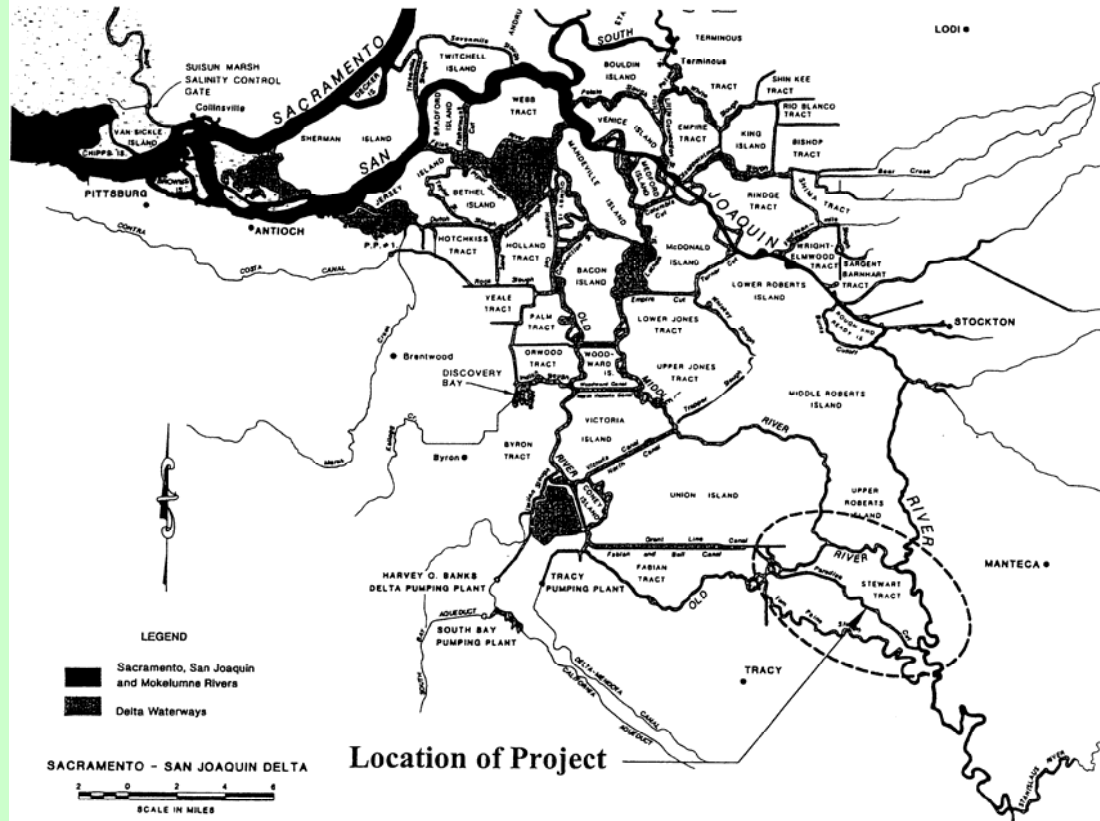
# San Joaquin River Drainage Basin





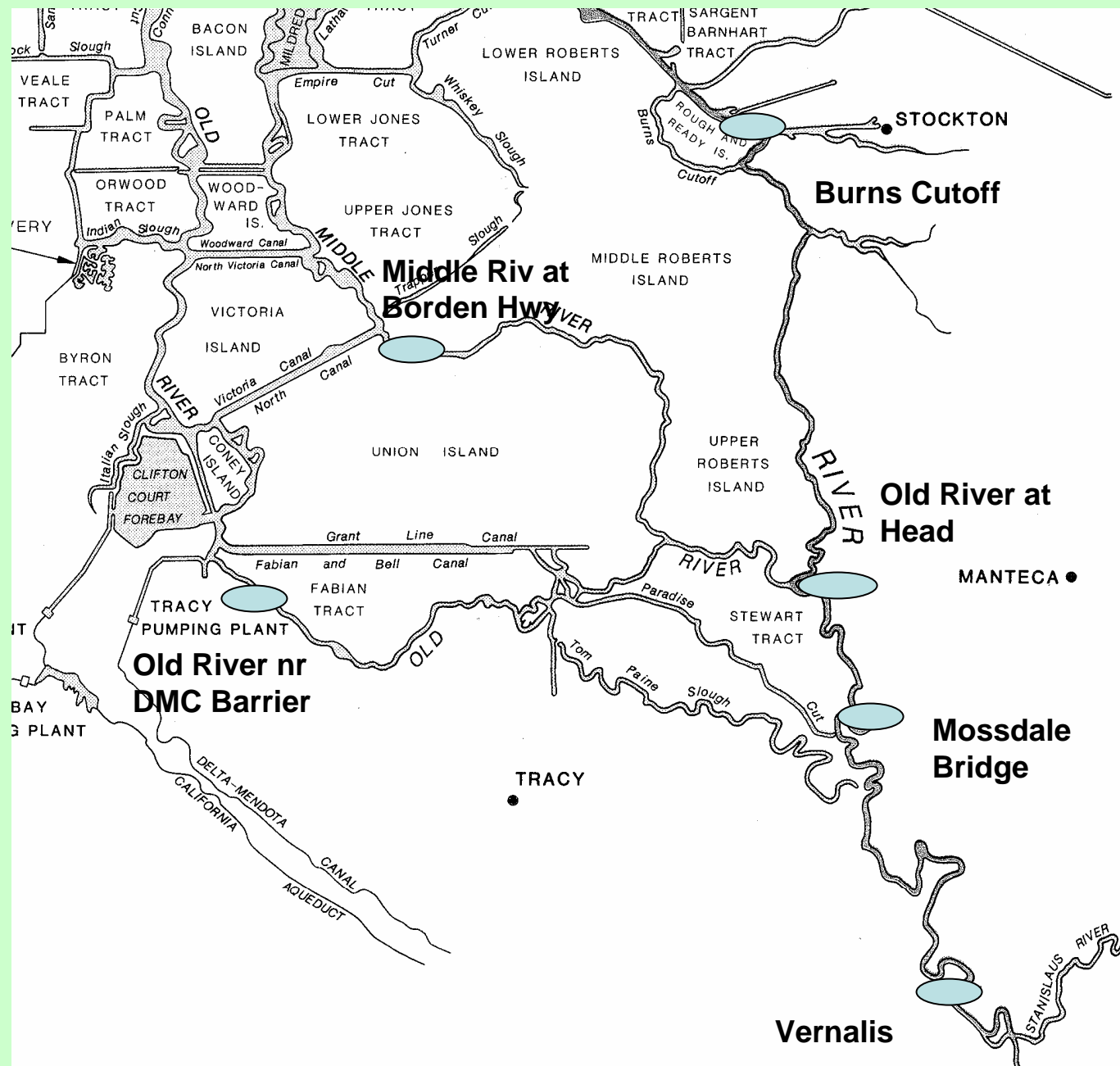
Project Area

## Vicinity Map

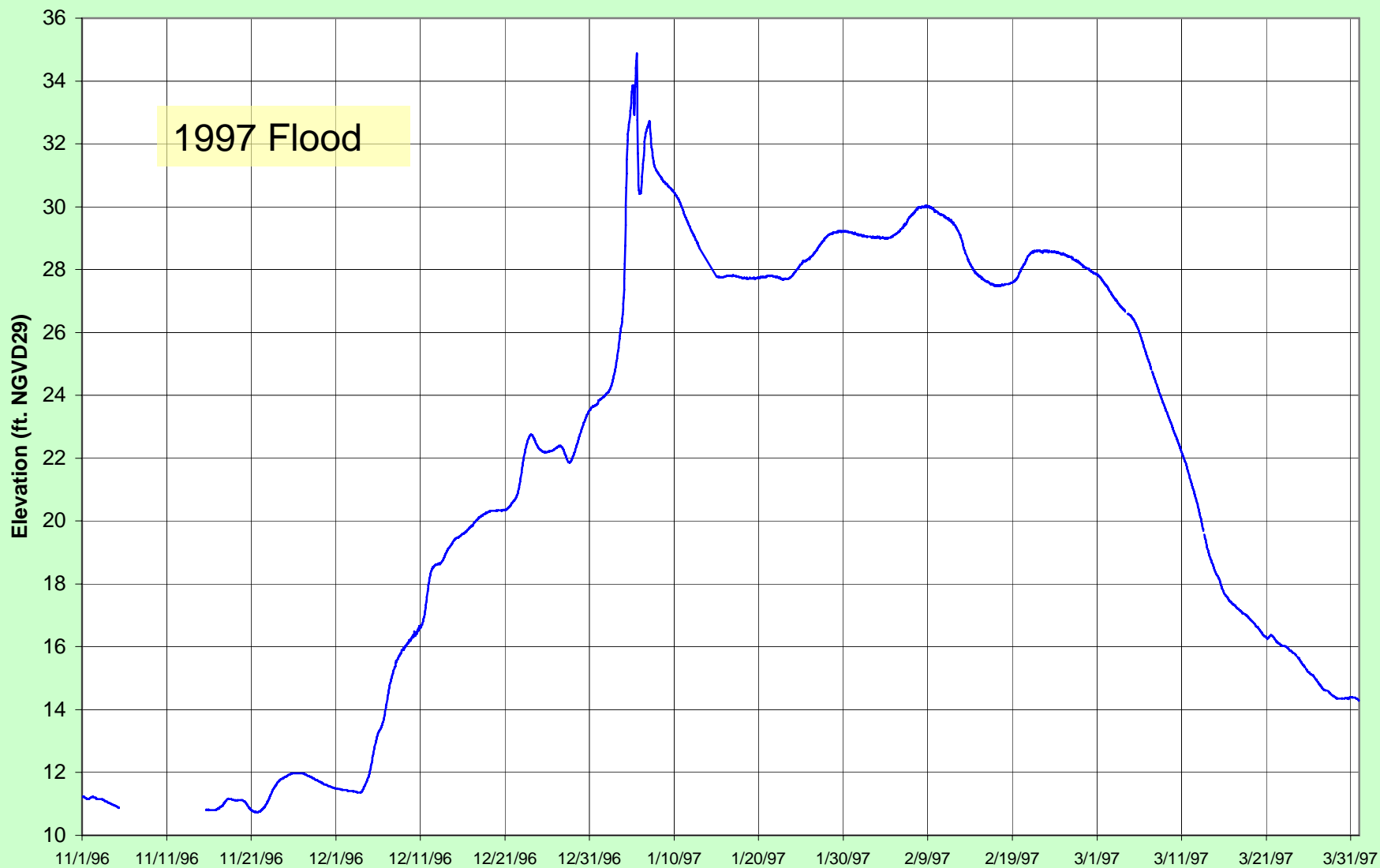


Location of Project

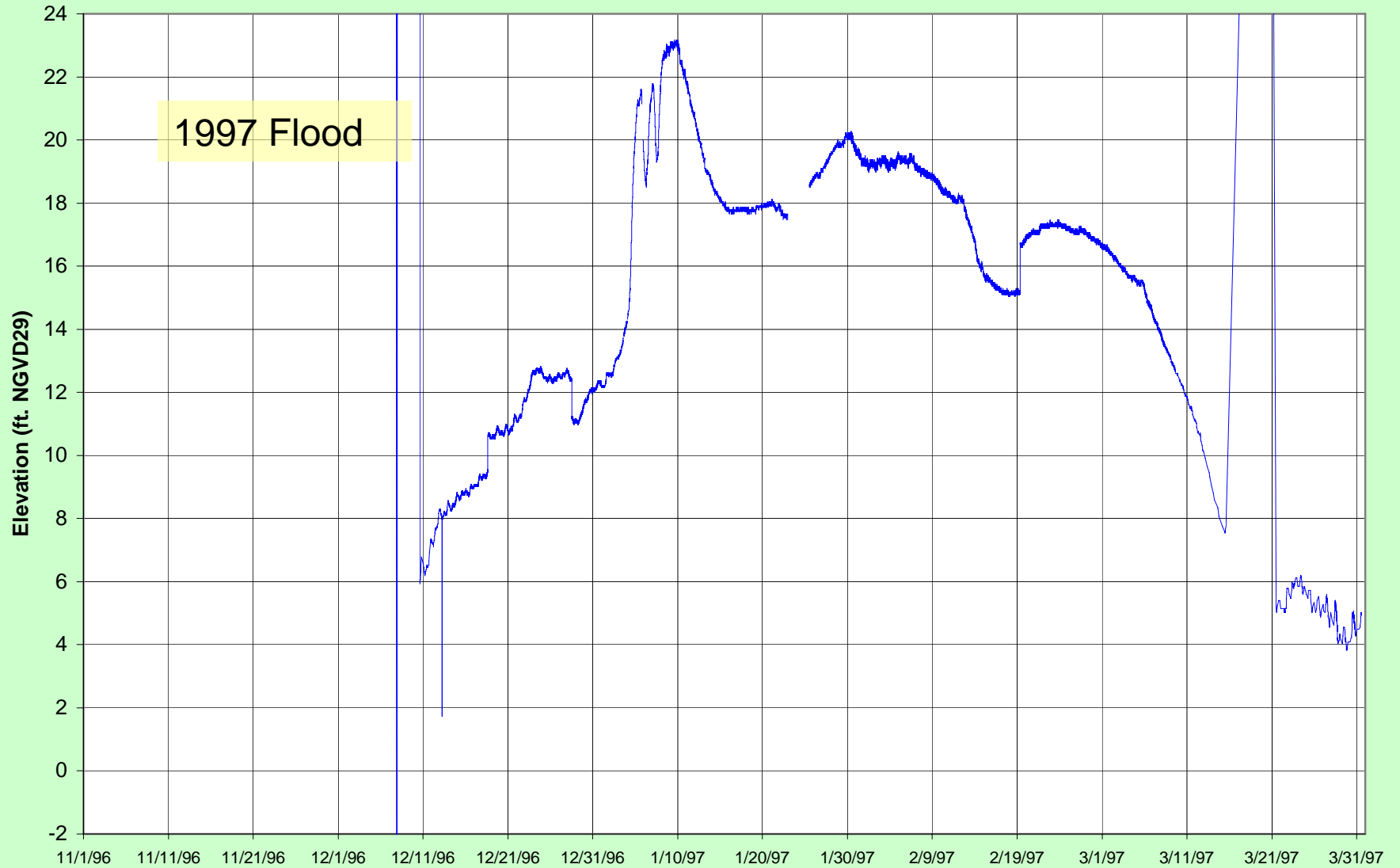
## Location Map



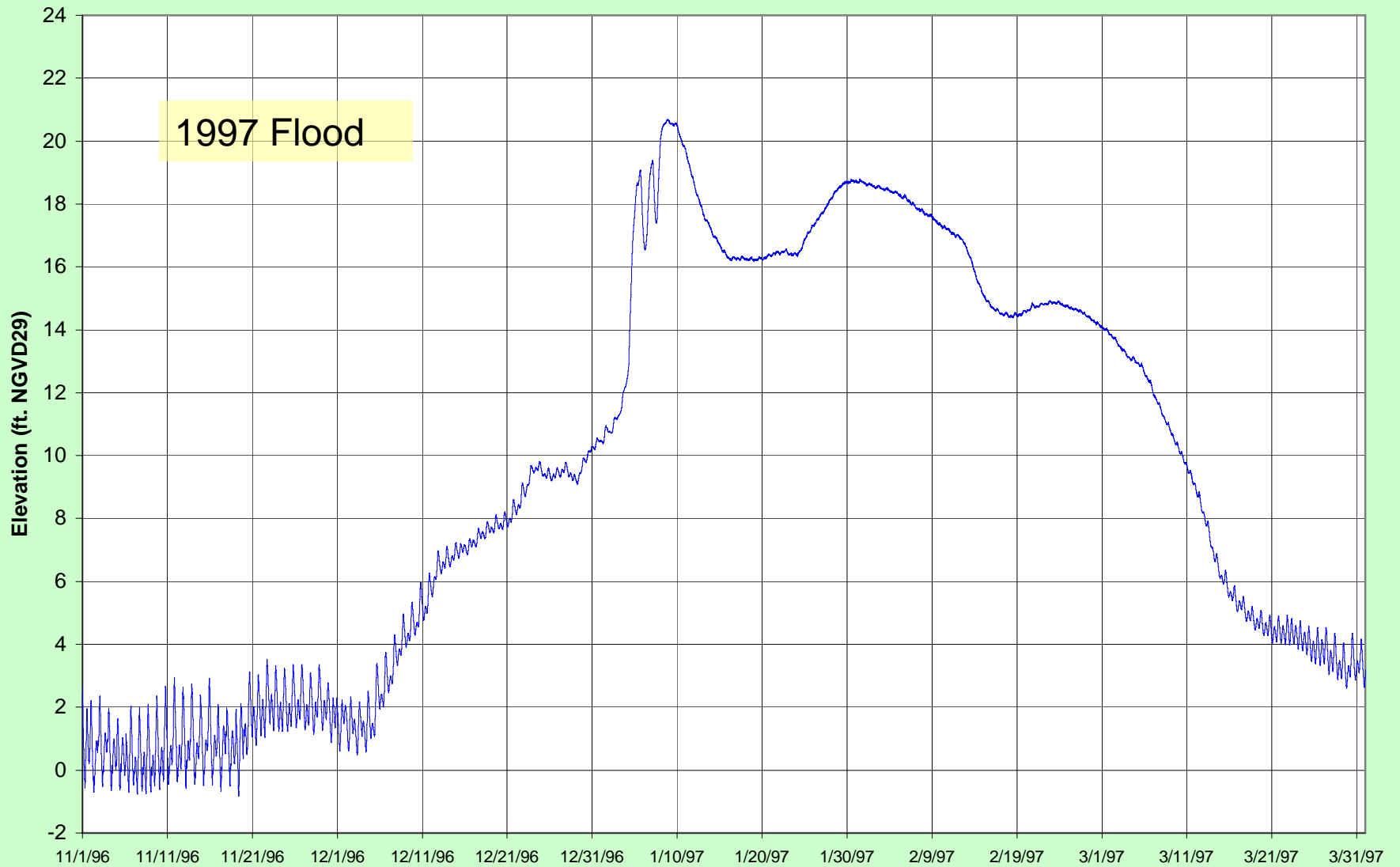
## San Joaquin River near Vernalis



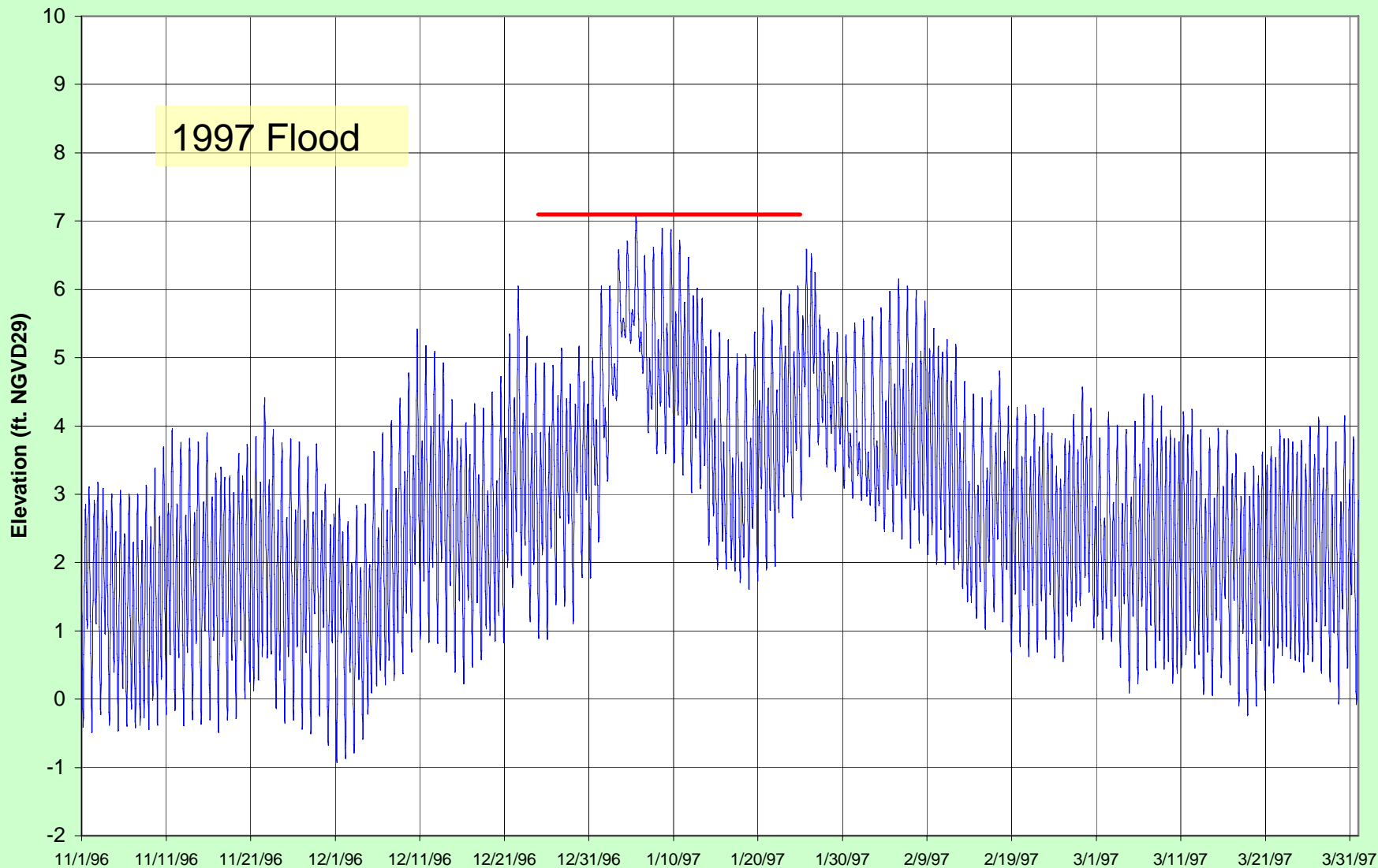
## San Joaquin River at Mossdale



## Old River at Head (DWR B95400)

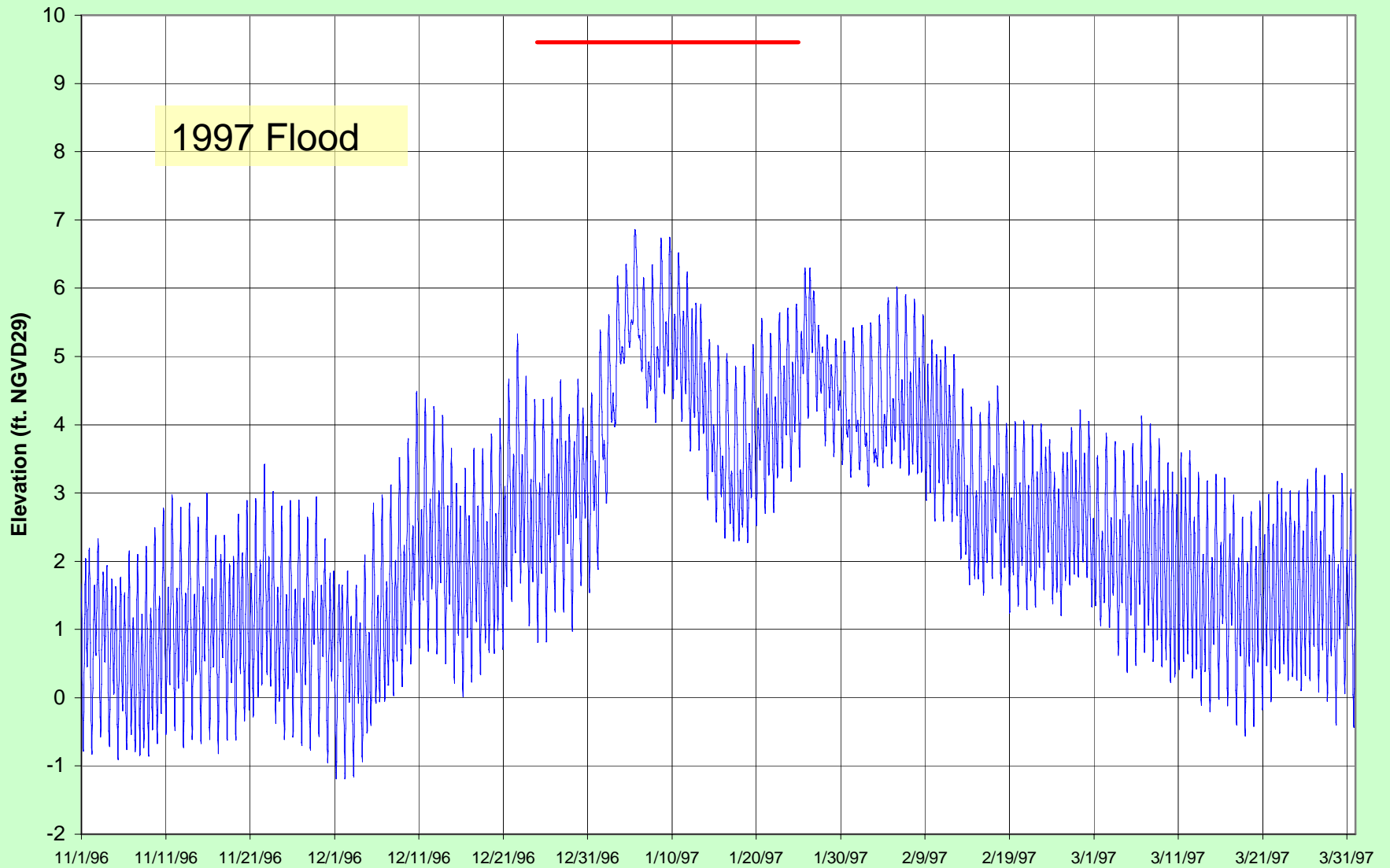


**Stockton Ship Channel at Burns Cutoff (DWR B95660)**

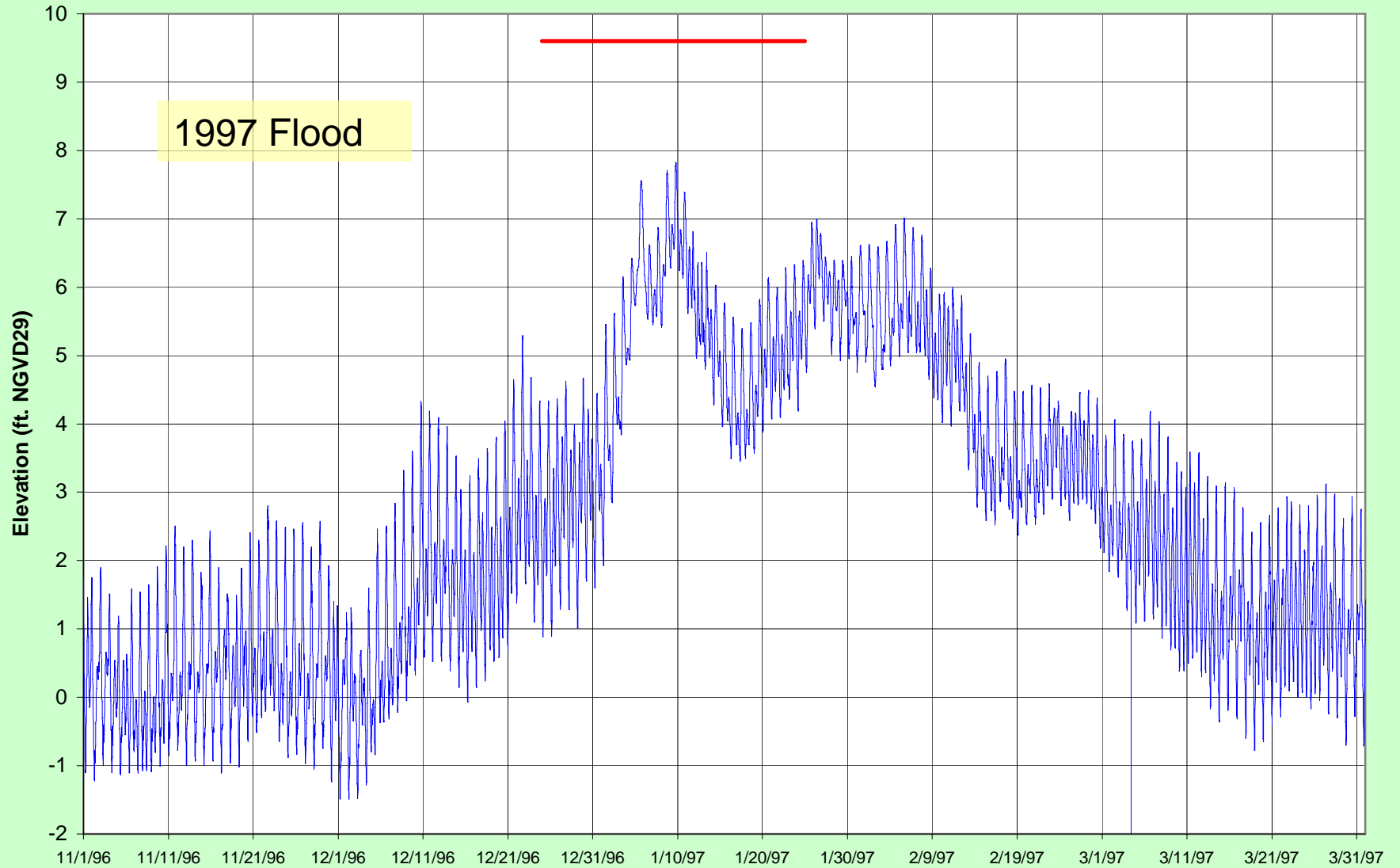




## Middle River at Borden Highway (DWR B95500)



# Old River nr DMC abv Barrier (DWR B95366)



## Reclamation Board San Joaquin River Briefing

Location	Federal Project Design Flow	Jan. 1997 Flood Peak Flow [1]	1/200 AEP (200-year) Peak Flow [2]
Latitude of Vernalis	52,000	75,000 – 80,000 (est.)	114,800
Paradise Cut	15,000	18,900	27,500
San Joaquin River at Mossdale Bridge	37,000	48,800	75,600
Old River at Head	19,000	28,200	35,400
San Joaquin River downstream of Old River	18,000	20,700	24,900
Middle River	4,000	4,100	5,600

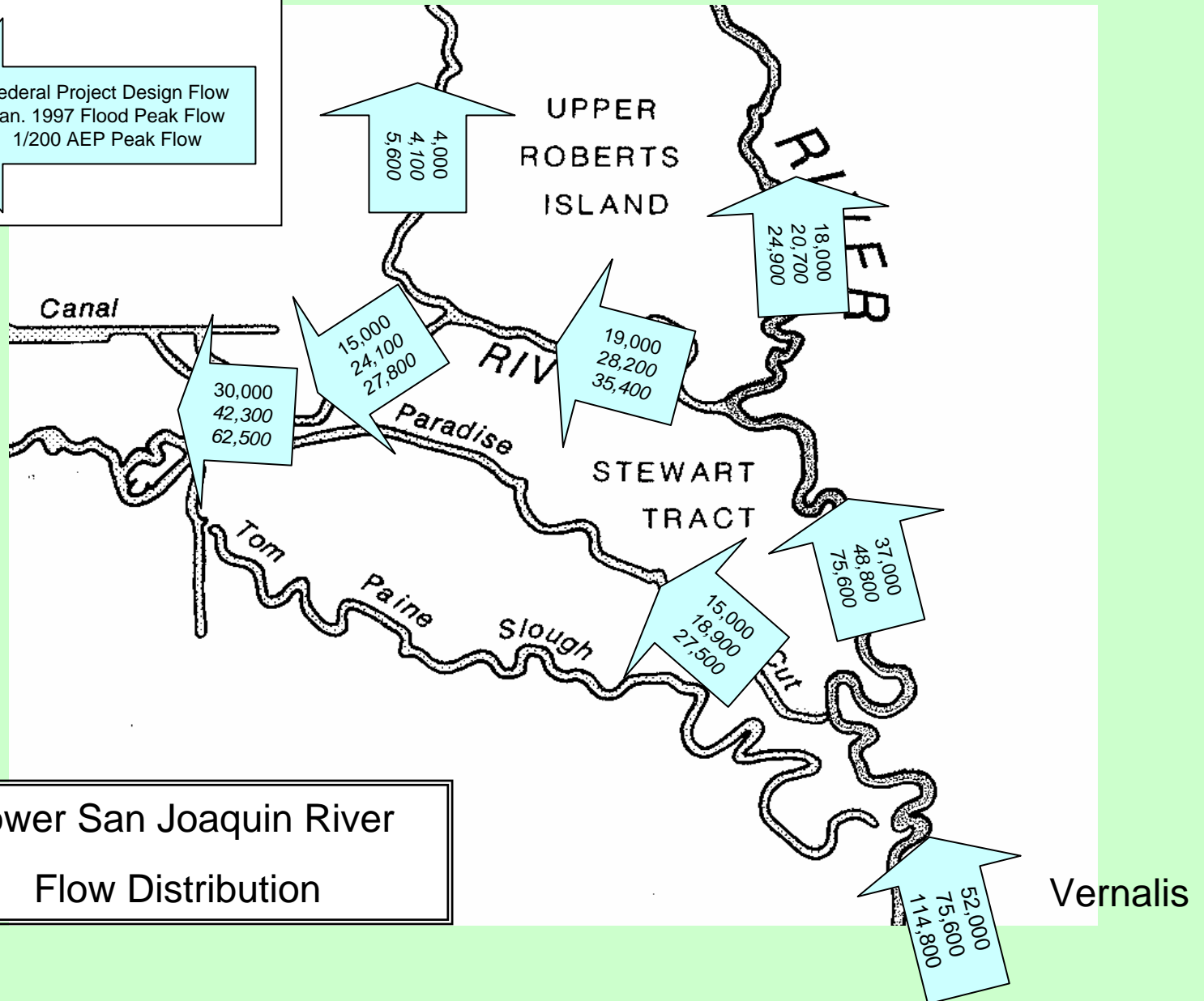
[1] HEC-RAS model simulation of January 1997 flood event. Latitude of Vernalis flow includes estimate of flow bypassing gage in right overbank floodplain.

[2] HEC-RAS model simulation with levee assumed to fail when overtopped.

Legend:



Federal Project Design Flow  
Jan. 1997 Flood Peak Flow  
1/200 AEP Peak Flow



Lower San Joaquin River  
Flow Distribution

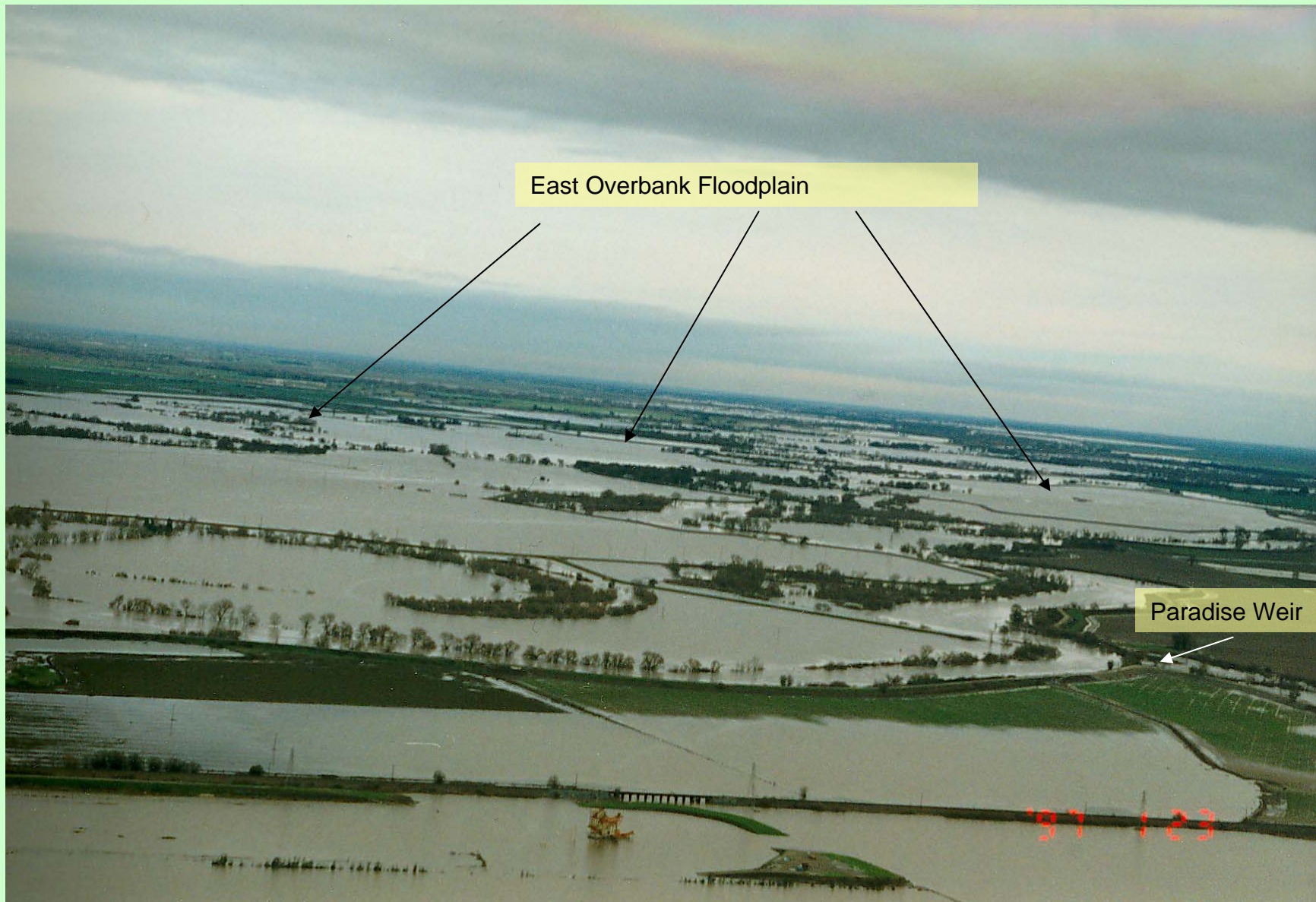
Looking South Jan 1997



Paradise  
Weir

'97 123





East Overbank Floodplain

Paradise Weir

'97 123

## Water Returning to River from Overbank Flooding



# Reclamation Board Briefing

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- Questions???